Submittal Data Sheet

Part #	Description
See below	CM Manifold System

Project Information

Job Name:

Location: Date Submitted:

Engineer: Submitted by:

Contractor: Approved by:

Manufacturer's Representative:

Application:

Distribution and control of flow and heat output to various radiant, snowmelt and/or hydronic tubing loops or zones.

Product Information

- Modular, large bore manifolds (1 1/2") constructed of glass-fibre reinforced polyamide. (PA66 GF30 black)
- System includes supply and return manifolds with 1 1/2" ball valves, temperature gauges, fill/drain valves, automatic air vents and mounting brackets.
- Supply manifolds include adjustable flowmeters and flow valves.
- Return manifolds include manual shut off valves and assemblies for electronic actuator attachment.
- Optional pressure gauge available when required.
- Supply and return manifold segments can be easily added or removed in the field.

Technical Information

Operating temperature and pressure	Max. 140ºF @ 87psi (60ºC @ 6 bar)
	Max. 194ºF @ 43psi (90ºC @ 3 bar)
Temperature gauge range	32ºF - 140ºF (0ºC - 60ºC)
Flowmeter range	1 - 5 gpm (4 - 20 lpm)
Maximum tightening torque	59 ft lbs (80Nm)
Maximum test pressure	87psi (6 bar) (24hr, <85ºF (30ºC))

Part Numbers

X	Part #	Description	Lg. in (mm)
	2315005102	CM Manifold Set 1 1/2" x 2 loop	13.3 (338)
	2315005103	CM Manifold Set 1 1/2" x 3 loop	16.1 (408)
	2315005104	CM Manifold Set 1 1/2" x 4 loop	18.8 (478)
	2315005105	CM Manifold Set 1 1/2" x 5 loop	21.6 (548)
	2315005106	CM Manifold Set 1 1/2" x 6 loop	24.3 (618)
	2315005107	CM Manifold Set 1 1/2" x 7 loop	27.1 (688)
	2315005108	CM Manifold Set 1 1/2" x 8 loop	29.8 (758)
	2315005109	CM Manifold Set 1 1/2" x 9 loop	32.6 (828)
	2315005110	CM Manifold Set 1 1/2" x 10 loop	35.4 (898)
	2315005111	CM Manifold Set 1 1/2" x 11 loop	38.1 (968)
	2315005112	CM Manifold Set 1 1/2" x 12 loop	40.9 (1038)
	2315005113	CM Manifold Set 1 1/2" x 13 loop	43.6 (1108)
	2315005114	CM Manifold Set 1 1/2" x 14 loop	46.4 (1178)
	2315005115	CM Manifold Set 1 1/2" x 15 loop	49.2 (1248)
	2315005116	CM Manifold Set 1 1/2" x 16 loop	51.9 (1318)
	2315005117	CM Manifold Set 1 1/2" x 17 loop	54.7 (1388)
	2315005118	CM Manifold Set 1 1/2" x 18 loop	57.4 (1458)
	2315005119	CM Manifold Set 1 1/2" x 19 loop	60.2 (1528)
	2315005120	CM Manifold Set 1 1/2" x 20 loop	62.9 (1598)

Contact Information

Roth Industries, Inc. 268 Bellew Ave. S. Watertown, NY 13601

Telephone: US (888) 266-7684 Canada (800) 969-7684 Fax: US & Canada (866) 462-2914

www.roth-america.com